Assessment Brief



Public Schools of North Carolina • State Board of Education • North Carolina Department of Public Instruction • Mark Johnson, State Superintendent

NC Check-Ins Reports

Grades 3–8 Mathematics Grades 4–8 English Language Arts/Reading

This brief is available on the North Carolina Department of Public Instruction (NCDPI) Accountability Services Division website, www.ncpublicschools.org/accountability/testing.

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Purpose and Overview of the NC Check-Ins

NC Check-Ins are interim assessments developed by the North Carolina Department of Public Instruction (NCDPI) that are aligned to North Carolina grade-level content standards in English language arts (ELA)/reading for grades 4–8 and in mathematics for grades 3–8. In ELA, NC Check-Ins measure all grade-level content standards assessed and increase in text complexity. For mathematics, each NC Check-In focuses on a selected subset of grade-level content standards.

The main purpose of NC Check-Ins is to provide students, teachers, parents, and stakeholders with immediate in-depth action-data and a reliable estimate of students' current performance on the selected subset of content standards. Both the end-of-grade assessments (EOG) and the NC Check-Ins share a common item bank, which then exposes NC Check-In students to similar item types and rigor found on the EOGs.

The NCDPI does not have validity evidence to support using results from NC Check-Ins as a predictor of student performance on the EOG summative assessment. Even though there is evidence of a significant correlation between scores from NC Check-Ins and EOGs, this correlation evidence by itself does not signify prediction. The overall value of NC Check-Ins is in the use of in-depth action-data for formative purposes throughout the year to help students and teachers adjust ongoing teaching and learning to improve students' achievement of intended instructional outcomes.

NC Check-Ins Teacher Reports

Class Roster

Below is a sample class roster for the grade 5 English language arts (ELA)/reading NC Check-In. The class roster provides teachers with school information such as local education agency (LEA)/school number, teacher's name, test date, school name, and the test form. Below the school information is a table that is divided into two columns. The left column lists the students who were tested. The right column shows the number of items on the test and the test results for each student listed by number correct, the percent correct, and the number of items that the student provided a response.

LEASchCode = InstrName = TestDates =	HdrSo	choolName = TestForm =	
	2	0 Points Possible	e
Student Name	Number Correct	Percent Correct ¹	Number Items Attempted
	Absent	0.0 %	0
	Absent	0.0 %	O
	0	0.0 %	O
	17	85.0 %	20
	10	50.0 %	20
	8	40.0 %	20
	20	100.0 %	20
	19	95.0 %	20
	18	90.0 %	20
0	20	100.0 %	20 «
1	Read Aloud #	55.0 %	20
2	15	75.0 % 45.0 %	20 20
3 4	Signed/Cued # 12	60.0 %	20
5	12	65.0 %	20
6	7	35.0 %	20
7	5	25.0 %	20
Class Mean	12.6	63.1 %	

Class Subscore Roster

The following are samples of class subscore rosters for the grade 6 mathematics NC Check-Ins and for grade 7 ELA/reading NC Check-Ins. The class subscore roster provides teachers with school information such as LEA/school number, teacher's name, test date, school name, and the test form. Below the school information is a table that is divided into columns. In the left column, is a list of students who were tested. In the right columns, are the number of items correct and the percentage representing how well students did on the assessment out of 100 percent, and the number of test questions answered correctly for a pre-determined set of questions grouped by subscores and item type (mathematics only).

Public Schools of North Carolina NC Check-In 1 — 2017-2018

	Mathematics G	Grade 6 Class St	ibscore Ro	oster					
LEASchCode = InstrName = TestDates =			HdrSc	hoolNam TestForn					
			It	tem Type	, 3		Subsc	ores a	
Student Name	Number Correct ¹	Percent Correct ²	CI [12]	CA [8]	GR + [5]	RPR [4]	NS [8]	E&E [4]	Gm [4]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Absent 0 17 10 11 8 Invalid Score 19 18 20 20 15 12 13 7 5	0.0 % 85.0 % 50.0 % 55.0 % 40.0 % # 95.0 % 90.0 % 100.0 % 100.0 % 65.0 % 35.0 % 25.0 %	0 12 6 11 6 12 12 12 12 12 9 8 8 5 3	0 5 4 0 2 7 6 8 8 8 6 4 5 2 2	0 5 2 4 3 5 5 5 5 4 4 4 2	0 2 2 0 1 3 2 4 4 4 2 2 3 1 1	0 8 3 8 2 8 8 8 8 6 6 5 4 2	0 4 3 3 4 4 4 4 4 3 2 3 1	0 3 2 0 1 4 4 4 4 4 2 2
Class Mean	12.5	62.5 %	8.3	4.2	3.8	2.0	5.4	2.9	2.2

- There are 20 points possible on the NC Check-In.
- ² Percent Correct shows the percentage of the total number of points that the student earned on the NC Check-In or subscore.
- Item Type Descriptions [the number of score points is listed in brackets]
 - CI Calculator Inactive Items
 CA Calculator Active Items
 - GR Gridded Response Items are included in the Calculator Inactive total number of items.
- ^a Subscore Descriptions [the number of score points is listed in brackets]
 - RPR Ratios and Proportional Relationships
 - NS The Number System
 - E&E Expressions and Equations
 - Gm Geometry
 - Calculator was used on the "calculator inactive" portion of the NC Check-In which invalidates the score

	Public Schools of North Carolina NC Check-In 1 — 2017-2018 ELA/Reading Grade 7 Class Subscore Roster
LEASchCode = InstrName = TestDates =	HdrSchoolName = TestForm =

			Subscores ³						
Student Name	Number Correct ¹	Percent Correct ²	Language [3]	Reading for Literature [11]	Reading for Information [6]				
1	Absent								
2	0	0.0 %	0	0	0				
3	17	85.0 %	2	9	6				
4	10	50.0 %	0	7	3				
5	7	35.0 %	1	3	3				
6	20	100.0 %	3	11	6				
7	19	95.0 %	3 3	10	6				
8	18	90.0 %	3	9	6				
9	Read Aloud	#							
10	15	75.0 %	3	8	4				
11	Signed/Cued	#							
12	11	55.0 %	1	6	4				
13	14	70.0 %	1	9	4				
14	6	30.0 %	2	2	2 2				
15	4	20.0 %	0	2	2				
Class Mean	11.8	58.8 %	1.6	6.3	3.8				

- There are 20 points possible on this NC Check-In.
- ² Percent Correct shows the percentage of the total number of points the student earned on the NC Check-In or subscore.
- 3 Subscore Descriptions [the number of score points is listed in brackets]
- # ELA/Reading NC Check-In was either read aloud or signed/cued which invalidates the score.

Class Item Report

The class item reports for mathematics and the ELA/reading NC Check-Ins provide teachers with school information such as the name of the assessment, teacher's name, grade level and subject, year of the class item report, and the school name. Below the school information, the reports contain the class mean, the class percent correct, the school mean, and the school percent correct. The mean, or average, is the sum of all scores divided by the total number of scores. The percent correct is calculated by dividing the total number of score points earned by the total number of possible score points and then multiplying by 100.

The remaining portion of the reports are divided into several parts. Moving from left to right, the far left section lists the categories presented in the cells of the table: item number, content standard, depth of knowledge, class percent correct, school percent correct, calculator active (mathematics only), and correct answer. The item numbers are aligned to the content subgroup that is measured on the Check-In. The content standard provides what students are expected to know and be able to do in the content area. Depth of knowledge categorizes tasks according to the complexity of thinking required to complete them. The percent correct is calculated by dividing the total number of score points earned by the total number of possible score points and then multiplying by 100.

The mathematics NC Check-Ins have a calculator inactive section (students are not allowed to use a calculator) and a calculator active section (students are allowed to use a calculator). On the sample grade 6 mathematics class item report, the calculator active row indicates by the word "Yes" that the item is in the calculator active section or by the word "No" that the question is not in calculator active. The correct answer row provides the answer key to the NC Check-In. Multiple-choice questions have an A, B, C, or D answer, and gridded response items (mathematics only) have a numeric answer.

NC Check-In 1 Class Item Report 2017-	18							cher: tion:	????	????	?????	??							G	rade 6	Mathematics	₽
Class Mean 7.4				Class Percent Correct 36.9 School Mean 8.4							School Percent Correct 42.1											
	Evn	roccion	e and F	quations		Geor	natry			The Number System					Ratios ar	nd Dronor	tional Rela	tionshins	l			
Item Number	1	2	3	8	13	14	17	18	4	5	9	10	6	7 7	11	12	16	19	15	20		
Content Standard	EE.1	EE.1	EE.1	EE.1	G.1	G.1	G.1	G.1	NS.1	NS.1	NS.1	NS.1	NS.3	_	NS.3	NS.3	RP.3.a	RP.3.a	RP.3.b	RP.3.b		
Depth of Knowledge 1	1	1	1	1	1	2	2	2	1	2	2	1	2	2	1	1	2	1	1	2		
Class Percent Correct	37.9	65.5	51.7	20.7	24.1	10.3	13.8	6.9	65.5	41.4	65.5	6.9	48.3	48.3	31.0	34.5	41.4	51.7	51.7	20.7		
School Percent Correct	33.1	59.2	42.3	30.8	23.8	3.1	12.7	16.5	76.2	55.4	69.6	15.0	59.6	51.9	43.1	53.5	64.6	64.2	44.2	23.8		
Calculator Active	No	No	No	No	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes		
Correct Answer																						
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NC Check-In 1 Teacher: ??????????????? Grade 6 ELA/Reading Class Item Report 2017-18 Section: Class Mean 12.7 School Mean 13.0 Class Percent Correct 63.6 School Percent Correct 64.9 Reading for Information Reading for Literature Language Item Number 5 13 12 16 14 17 15 18 19 20 10 8 6 3 11 Content Standard L.4.a L.4.a L.4.a L.5.a RI.1 RI.2 RI.3 RI.4 RI.5 RI.6 RI.8 RL.1 RL.1 RL.2 RL.3 RL.2 RL.4 Depth of Knowledge 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 Class Percent Correct 85.7 92.9 89.3 78.6 32.1 50.0 50.0 28.6 50.0 35.7 46.4 89.3 57.1 75.0 | 39.3 | 78.6 | 82.1 | 82.1 | 60.7 | 67.9 School Percent Correct 88.3 77.0 47.5 43.6 65.0 89.5 78.6 37.4 40.5 55.6 35.4 57.6 87.9 63.0 77.8 55.3 77.0 80.5 73.2 67.3 Correct Answer ????? ?????? 0123456789 ????? ???? 0123456789 ??????? ?????? 0123456789 ?????? ?????? 0123456789 ????? ????? 0123456789 ????? ??????? 0123456789 ??????? ??????? 0123456789 ?????? ??? 0123456789 ??????? ????? 0123456789 ???????? ?????? 0123456789 ??????? ?????? 0123456789 ?????? ?????? 0123456789 ????? ????????? 0123456789

NC Check-Ins Parent/Student Report

Individual Student Report

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The Individual Student Reports provide parents with information about their child's performance on the NC Check-Ins. Each report includes the student's results (Columns 3 and 4) compared to the results of all students at the school who completed the NC Check-In (Columns 5 and 6). The total score is reported by the total number of questions answered correctly, and the percent correct. Subscores are provided for the subsets of items categorized by the section of the NC Check-In for mathematics only (i.e., calculator inactive and calculator active) and by strand or genre for ELA/reading only (i.e., literature, information, poetry).

NC Check-In 1	???????? ?????????	Grade 5 Mathematics
Individual Student Report 2016–17		

The NC Check-Ins consist of three check-ins administered throughout the school year. Each check-in is designed to provide teachers and parents with immediate feedback for guiding subsequent instruction. This *Individual Student Report* provides information on how your student performed on the most recently administered NC Check-In. Scores are not included in state accountability results for the school year.

		Student	Results	School Results				
(1)	(2)	(3)	(4)	(5)	(6) Average Percent Correct			
Areas Assessed	Total Number of Questions	Number Correct	Percent Correct	Average Number Correct				
otal Math Score	25	18	72.0 %	15.6	62.5 %			
Calculator Inactive	12	10	83.3 %	7.3	61.2 %			
Calculator Active	13	8	61.5 %	8.3	63.8 %			
Numbers and Operations in Base 10	13	11	84.6 %	8.6	66.0 %			
Measurement and Data	7	3	42.9 %	3.9	55.6 %			
Numbers and Operations—Fractions	5	4	80.0 %	3.2	63.2 %			

Column (1) lists the two parts of the NC Check-In: Calculator Inactive and Calculator Active. Also listed are the content areas measured in both the Calculator Inactive and Active sections.

Column (2) lists the total number of questions on the NC Check-In as well as the total number of questions assessed in the Calculator Inactive, Calculator Active, and the content areas measured on this check-in.

Column (3) shows the total number of questions that the student answered correctly. Each question on this check-in counts one point.

Column (4) shows the percentage of questions that the student answered correctly.

Column (5) shows the average number of questions that all students at the school answered correctly.

Column (6) shows the average percentage of questions that all students at the school answered correctly.

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